

CLAIMS:

1. A display device having a set of non-pixel-selective electrodes (1a, 1b), and a set of pixel-selective electrodes (2a, 2b, 2c), pixels (15) being defined by intersections of said electrodes, characterized by means (3, 4a, 4b, 5, 6, 7) for applying an amplitude modulated (AM) signal to a non-pixel-selective electrode (1a, 1b), and means (10a, 10b, 11, 13) for applying a pulse width modulated (PWM) signal to a pixel-selective electrode (2a, 2b, 2c).
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2. A display device according to claim 1, wherein said means for applying an AM signal comprises a memory (5) for storing a predefined amplitude curve.
- 10 3. A display device according to claim 1, wherein said means for applying an AM signal comprises analogue electronics.
- 15 4. A display device according to claim 1, wherein said non-pixel-selective electrodes (1a, 1b) are the row electrodes of the display.
5. A display device according to claim 1-4, wherein each pixel (15) comprises a field emitter (16) connected to a pixel-selective electrode (2a, 2b, 2c), and wherein the non-pixel-selective electrode (1a, 1b) acts as a gate electrode.
- 20 6. A method for driving a display device comprising a set of non-pixel-selective electrodes, and a set of pixel-selective electrodes, pixels being defined by intersections of said electrodes, characterized by:
applying an amplitude modulated (AM) signal to a non-pixel-selective electrode (1a, 1b), and
25 applying a pulse width modulated (PWM) signal to a pixel-selective electrode (2a, 2b, 2c).
7. A method according to claim 6, wherein the AM signal is increased from a threshold value to a maximum value during a line period.

8. A method according to claim 6, wherein the amplitude curve of the AM signal is alternated between consecutive line periods.

5 9. A method according to claim 8, wherein the AM signal is increased from a threshold value to a maximum value during one line period and decreased from said maximum value to said threshold value during the next consecutive line period.

10. 10. A method according to one of claims 6-9, wherein the amplitude curve of the
10 AM signal is alternated between consecutive frames.

11. A method according to one of claims 6-10, wherein the PWM signal is applied to said pixel-selective electrode first, and the AM signal is applied to said non-pixel-selective electrode when the rise-time of the PWM signal has passed.